

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACQ-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

COPY

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address P.O. Box 783188

City/State/Zip Wichita, Kansas 67278

Purchaser: Texaco Trading & Trans.

Operator Contact Person: Julie Stout

Phone (16) 691-9500

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Jeff Christian

Designate Type of Completion

New Well Re-Entry Workover

Oil SLD S10W Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Reentry: Old Well Info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SLD

Plug Back P8TD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SLD or Inj?) Docket No. _____

9-16-97 9-24-97 10-21-97
Spud Date Date Reached TD Completion Date

API NO. 15- 135-24030 0000

County Ness

Approx. C N/2 N/2 SW Sec. 30 Twp. 19 Rge. 21 E W

2240 Feet from S (circle one) Line of Section

1370 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Moore "C-P" Well # 4

Field Name Schaben

Producing Formation Mississippian

Elevation: Ground 2307' KB 2316'

Total Depth 4450' P8TD _____

Amount of Surface Pipe Set and Cemented at 308 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 1522

feet depth to surface w/ 225 sx cnt.

Drilling Fluid Management Plan ALT 2 JN 3-20-98
(Data must be collected from the Reserve Pit)

Chloride content 61,000 ppm Fluid volume 980 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name DEC 2 License No. _____

CONFIDENTIAL
Quarter S Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Julie K. Stout

Title President Date 12-2-97

Subscribed and sworn to before me this 2nd day of December, 19 97.

Notary Public Julie K. Stout

Date Commission Expires July 23, 2001

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Geologist Report Received

Distribution

KCC SMD/Rep NGPA

KGS Plug Other

RELEASED (Specify)

Form ACO-17-9, 2001

JULIE K. STOUT
Notary Public - State of Kansas
My Appt. Expires 7-23-2001

FROM CONFIDENTIAL

Operator Name Ritchie Exploration, Inc. Lease Name Moore "C-P" Well # 4

Sec. 30 Twp. 19 Rge. 21 East West County Ness

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 List All E.Logs Run:
 Radiation Guard Log

Log Formation (Top), Depth and Datums Sample
 Name Top Datum
 see attached sheet

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	23#	308'	60/40 poz	180	3% cc 2% gel
Production	7 7/8"	5 1/2"	14#	4424'	60/40 poz	140	10% salt

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
	4424' - 4450' OPEN HOLE	250 gallons 7 1/2% INS, DSEF

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 7/8"	4383	n/a	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SMD or Inj.			Producing Method		
10-21-97			<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	30	0	16		

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-183)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval 4424' - 4450'